Pressurized Line Leak Detection Test Reporting Requirements for the Franklin Fueling TS-5 Series (all models) ATG using the LS-500 Line Leak Detection System

BUREAU OF WEIGHTS & MEASURES

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608-224-4942

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www.datcp.wi.gov

RESOURCES

More information on applicable Wisconsin laws can be found at these links:

Wis. Admin. Code § ATCP 93.510
https://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93/V/510

Wis. Admin Code § ATCP 93.515
https://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93/V/515

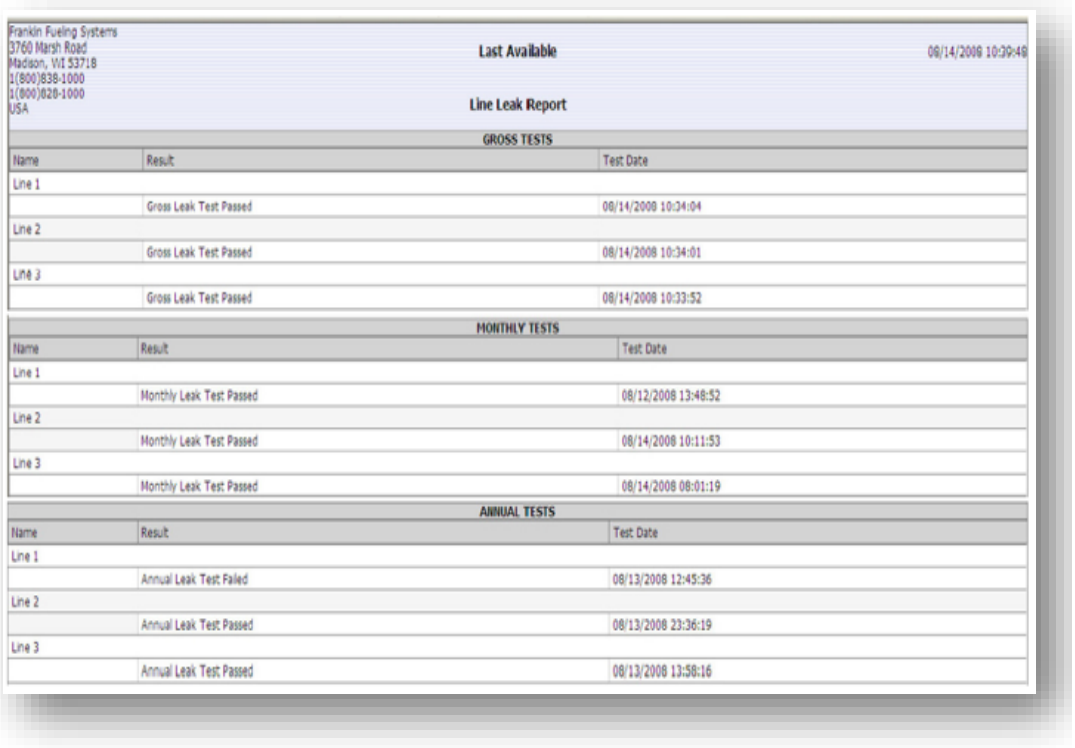
Materials Approval Page
https://datcp.wi.gov/Pages/Programs_Services/MaterialApprovalsLeakDetection.aspx

Franklin Fueling
http://www.franklinfueling.com/americas/en

Approval #20160005R1
https://datcp.wi.gov/Documents/TCP-WM-MA-20160005R1.pdf

When to submit your test results

- When renewing your annual Permit-to-Operate the owner/operator must supply the department with passing test reports of the 3 most current consecutive months of testing, and each test must be 28-32 days apart. For example, if your first test was June 1, the second test must be July 1, and the third test must be on August 1.
- When an inspection is conducted by the State of Wisconsin, at least 12 months of test reports must be available for review by a state inspector.
- Below is a test report example of the pressurized line leak detection printout for the Franklin Fueling TS-5 series (all models) ATG using the LS-500 line leak detection system. You are required to submit the test report when renewing your annual permit to operate.



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Last Available 08/14/2008 10:39:48

Line Leak Report

GROSS TESTS

Name	Result	Test Date
Line 1		
	Gross Leak Test Passed	08/14/2008 10:34:04
Line 2		
	Gross Leak Test Passed	08/14/2008 10:34:01
Line 3		
	Gross Leak Test Passed	08/14/2008 10:33:52

MONTHLY TESTS

Name	Result	Test Date
Line 1		
	Monthly Leak Test Passed	08/12/2008 13:48:52
Line 2		
	Monthly Leak Test Passed	08/14/2008 10:11:53
Line 3		
	Monthly Leak Test Passed	08/14/2008 08:01:19

ANNUAL TESTS

Name	Result	Test Date
Line 1		
	Annual Leak Test Failed	08/13/2008 12:45:36
Line 2		
	Annual Leak Test Passed	08/13/2008 23:36:19
Line 3		
	Annual Leak Test Passed	08/13/2008 13:58:16

If you have questions about how your Franklin Fueling Management ATG system works please contact your service company or Franklin Fueling directly. You can also find further information about your specific leak detection equipment on the materials approval page of our website. The Franklin Fueling material approval number is 20160005R1.

(over)

Leak detection FAQs:

- *What is leak detection?*
  "Leak Detection" means determining whether a discharge of regulated substance has occurred from a storage tank system into the environment or into the space between the tank and its secondary barrier or containment.

- *What is "ATG"?*
  "Automatic Tank Gauging" (ATG) or "Automatic Leak Detection" means a leak detection or monitoring system that will provide continuous 24-hour monitoring for the detection of a release or leak of vapor or product and will immediately communicate the detection of the release or leak to an electronic signaling device.

- *What is Pressurized Line Leak Detection Monitoring*
  Wisconsin Administrative Code §§ ATCP 93.510 and 93.515 require all new and existing underground tank piping systems which store regulated substances to be provided with a method of leak detection. One of the acceptable methods of leak detection is pressurized line leak detection (LLD) testing.

  Pressurized line leak detectors operate during idle periods by independently pressurizing the pipeline system, then isolating the system from the pump and monitoring the pressure drop. The pressure drop is measured for several pressurization cycles. When the leak detection system determines that thermal effects have been sufficiently reduced, it compares the final pressure drop with a preset limit. If the pressure drop exceeds that limit, a leak is declared.

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